CAS/STN FILE 'REGISTRY' ENTERED AT 07:39:37 ON 27 SEP 2005

L1	10	S	POLYACETYLENE
L2	126	S	ACETYLENE HOMOPOLYMER
L3	2	S	POLYPHENYLACETYLENE
L4	2	S	BIPHENYLACETYLENE
L5	642	S	PHENYLACETYLENE
L6	27	S	POLYANILINE
L7	72	S	ANILINE HOMOPOLYMER
L8	185	S	DIPHENYLACETYLENE
L9	289	S	PPV OR PHENYLENE VINYLENE
L10	2	S	POLYTHIOPHENE
L11	377	S	THIOPHENE HOMOPOLYMER
L12	4494	S	PORPHYRIN?
L13	0	S	POLYPORPHYRIN?
L14	10	S	THIOL AND L12
L15	2	S	METALLOCEN?
L16	54733	S	FERROCEN?
L17	1887	S	POLY? AND L16
L18	694	S	PHTHALOCYANINE? AND POLY?
L19	6	S	POLYPHTHALOCYANINE?
L20	0	S	POLYMETALLOCEN?
L21	4	S	POLYFERROCEN?
L22	1782	S	POLY? AND CENE?
L23	21	S	H/MF
L24	1	S	PROTON/CN
L25	19	S	H2/MF

FILE 'HCAPLUS' ENTERED AT 07:47:19 ON 27 SEP 2005
             E CONDUCTING POLYMERS/CT
L26   94921   S   "CONDUCTING POLYMERS"/CT OR "ELECTRIC
        CONDUCTORS, POLYMERIC"/CT OR POLYANILINES/CT OR ?CONDUCT?(1A)(?
        POLYMER? OR ?MONOMER? OR ?PLASTIC?) OR ?METALLOCENE? OR
        ?POLYTHIOPHEN? OR ?POLYACETYLENE?

FILE 'STNGUIDE' ENTERED AT 07:49:45 ON 27 SEP 2005

FILE 'HCAPLUS' ENTERED AT 07:51:18 ON 27 SEP 2005
L27   26259   S   ?POLYPHENYLACETYLEN? OR ?POLYDIPHENYLACETYL
        EN? OR ?POLYANILINE? OR PPV OR ?PHENYLENEVINYLENE? OR ?POLYTHIO
        PHENE?

FILE 'STNGUIDE' ENTERED AT 07:51:46 ON 27 SEP 2005

FILE 'HCAPLUS' ENTERED AT 07:53:34 ON 27 SEP 2005
L28   12606   S   ?POLYPORPHYRIN? OR ?POLYMETALLOCEN? OR
        ?POLYFERROCEN? OR ?POLYPHTHALOCYNANIN? OR ?POLYVINYLENE? OR
        ?POLYPYRROL? OR ?POLYDIPHENYLACETY?
L29   329146   S   (L1 OR L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR
        L8 OR L9 OR L10 OR L11 OR L12 OR L13 OR L14 OR L15 OR L16 OR
        L17 OR L18 OR L19 OR L20 OR L21 OR L22) OR (L26 OR L27 OR L28)
L30   11176   S   ((L23 OR L24 OR L25) OR PROTONS OR (H OR
        HYDROGEN)(1A)(1 OR CHARGE## OR RADICAL OR CATION### OR ION##
        OR NUCLEUS)) AND L29

FILE 'REGISTRY' ENTERED AT 07:57:33 ON 27 SEP 2005
```
L31       6329   S     DEUTERIUM OR TRITIUM
L32        542   S     L31 AND 1/ELC
```

FILE 'HCAPLUS' ENTERED AT 07:58:30 ON 27 SEP 2005
```
L33        449   S     L32 AND L29
```

FILE 'STNGUIDE' ENTERED AT 07:58:37 ON 27 SEP 2005

FILE 'HCAPLUS' ENTERED AT 08:00:01 ON 27 SEP 2005
```
L34       1336   S     (IRRADIAT? OR RADIAT? OR BEAM OR BOMBARD###
               ## OR CATION#### OR POSITIVE##(2A)(ION### OR CHARGE##)) AND
               (L33 OR L30)
```

FILE 'HCAPLUS' ENTERED AT 08:00:56 ON 27 SEP 2005
```
L35      83533   S     (IRRADIAT? OR RADIAT? OR BEAM OR BOMBARD###
               ## OR CATION#### OR PROTON OR HYDROGEN OR H2 OR H OR DEUTERIUM
               OR DEUTERAT? OR TRITIUM OR TRITIAT?)(3A)SURFACE
L36         37   S     L34 AND L35
```

FILE 'HCAPLUS' ENTERED AT 08:01:31 ON 27 SEP 2005
```
L37      92313   S     (IRRADIAT? OR RADIAT? OR BEAM OR BOMBARD##### OR CATION####
OR PROTON OR HYDROGEN OR H2 OR H OR DEUTERIUM OR DEUTERAT? OR TRITIUM OR
TRITIAT?)(3A)?POLYMER?
L38        235   S     L34 AND L37
L39       2132   S     L35 AND L37
L40         34   S     (L33 OR L34 OR L36 OR L38 OR L39) AND
               ?POLYMER?(4A)(?INSULAT? OR DIELEC########)
L41       1401   S     (L33 OR L34 OR L36 OR L38 OR L39) AND ?POLYMER?(4A)SURFACE
L42     107690   S     (FORM#### OR CREAT#### OR MAK#### OR CHANG#### OR
FABRICAT##### OR PROCESS####)(6A)(?INSULAT? OR DIELEC########)
L43         21   S     (L33 OR L34 OR L36 OR L38 OR L39) AND L42
L44      26719   S     (IRRADIAT? OR RADIAT?)(3A)?POLYMER?
L45      22587   S     (IRRADIAT? OR RADIAT?)(3A)SURFACE?
L46        902   S     (L33 OR L34 OR L36 OR L38 OR L39) AND L44 AND L45
L47      75335   S     (H OR H2 OR HYDROGEN##### OR DEUTER#####
               OR TRITI##### OR PROTON##)(6A)?POLYMER?
L48      65771   S     (H OR H2 OR HYDROGEN##### OR DEUTER#####
               OR TRITI##### OR PROTON##)(6A)SURFACE
L49         32   S     L46 AND L47
L50         27   S     L46 AND L48
L51        124   S     L36 OR L40 OR L43 OR L49 OR L50
L52      37012   S     (?INSULAT? OR DIELEC?)(7A)SURFACE
L53      36483   S     (?INSULAT? OR DIELEC?)(7A)?POLYMER?
L54      89107   S     SURFACE(7A)?POLYMER?
L55         18   S     L51 AND L52
L56         36   S     L51 AND L53
L57         74   S     L51 AND L54
L58         22   S     L56 AND L57
L59         26   S     L55 OR L58
L60          5   S     (L1 OR L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR L8 OR L9 OR L10
OR L11 OR L12 OR L13 OR L14 OR L15 OR L16 OR L17 OR L18 OR L19 OR L20 OR L21 OR L22
OR L23 OR L24 OR L25) AND L59
L61      62361   S     ((L23 OR L24 OR L25) OR L32 OR H2 OR
               HYDROGEN OR H OR DEUTERIUM OR TRITIUM)(7A)?POLYMER?
```

```
L62     2831   S     L33 OR L36 OR (L38 OR L39 OR L40 OR L41) OR L43 OR L46 OR
(L49 OR L50 OR L51) OR (L55 OR L56 OR L57 OR L58 OR L59 OR L60)
L63      474   S     L61 AND L62
L64      166   S     ((L1 OR L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR L8 OR L9 OR L10
OR L11 OR L12 OR L13 OR L14 OR L15 OR L16 OR L17 OR L18 OR L19 OR L20 OR L21 OR
L22) OR L26) AND L63
L65       89   S     ((L23 OR L24 OR L25) OR L32) AND L64
L66       89   S     L65 NOT L60
L67        1   S     L66 AND (DIELEC##### OR ?INSULAT?)(7A)(FILM OR ?LAYER?)
L68       88   S     L66 NOT L67
L69        8   S     L68 AND H2
L70       11   S     L68 AND (HYDROGEN OR H)(5A)(PRESEN### OR
                     ATMOSPHER? OR AMBIENT OR GAS#### OR VAPOR#### OR VAPOUR####)
L71       18   S     (L69 OR L70)
L72    30483   S     (RADIAT###### OR IRRADIAT#######)(4A)?POLYMER?
L73     1914   S     L33 OR L38 OR L40 OR L43 OR L46 OR (L49 OR L50 OR L51) OR
(L55 OR L56 OR L57 OR L58 OR L59) OR (L63 OR L64 OR L65 OR L66 OR L67 OR L68)
L74       24   S     L60 OR L67 OR L71
L75     1890   S     L73 NOT L74
L76       86   S     L75 AND (HYDROGEN OR H)(5A)(EXPOS##### OR MASK#### OR
UNCOVER#### OR PRESEN### OR ATMOSPHER? OR AMBIENT OR GAS#### OR VAPOR#### OR
VAPOUR####)
L77      233   S     L75 AND ?POLYMER?(5A)(EXPOS##### OR MASK#### OR UNCOVER####
OR PRESEN### OR ATMOSPHER? OR AMBIENT OR GAS#### OR VAPOR#### OR VAPOUR####)
L78      164   S     L75 AND ?SURFACE?(5A)(EXPOS##### OR MASK#### OR UNCOVER####
OR PRESEN### OR ATMOSPHER? OR AMBIENT OR GAS#### OR VAPOR#### OR VAPOUR####)
L79       23   S     L75 AND ?CONDUCT?(5A)(EXPOS##### OR MASK#### OR UNCOVER####
OR PRESEN### OR ATMOSPHER? OR AMBIENT OR GAS#### OR VAPOR#### OR VAPOUR####)
L80        7   S     L75 AND ?INSULAT?(5A)(EXPOS##### OR MASK#### OR UNCOVER####
OR PRESEN### OR ATMOSPHER? OR AMBIENT OR GAS#### OR VAPOR#### OR VAPOUR####)
L81        2   S     L75 AND DIELEC?(5A)(EXPOS##### OR MASK#### OR UNCOVER#### OR
PRESEN### OR ATMOSPHER? OR AMBIENT OR GAS#### OR VAPOR#### OR VAPOUR####)
L82      439   S     L75 AND (CONVER? OR RENDER? OR CHANG? OR TRANSFORM? OR
CREAT?)
L83       95   S     (L76 OR L77 OR L78 OR L79 OR L80 OR L81) AND L82
L84       32   S     L76 AND L77
L85        8   S     L76 AND L77 AND L78
L86        5   S     L76 AND L77 AND L79
L87        1   S     L76 AND L78 AND L79
L88        3   S     L77 AND L78 AND L79
L89       14   S     L83 AND L84
L90       20   S     L75 AND (?DIELEC? OR ?INSULAT?)(7A)?CONDUCT?
L91       62   S     (L79 OR L80 OR L81) OR (L85 OR L86 OR L87 OR L88 OR L89 OR
L90)
L92       62   S     L91 NOT L74
L93        9   S     L92 AND (DIELEC? AND INSULAT?)
L94       12   S     L92 AND (DIELEC? AND ?CONDUCT?)
L95       21   S     L92 AND (?INSULAT? AND ?CONDUCT?)
L96       26   S     (L93 OR L94 OR L95)
L97    25436   S     (?CONDUCT? OR DIELEC? OR ?INSULAT?)(3A)?PATTERN?
L98      839   S     (L26 OR L27 OR L28 OR L29 OR L30) AND L97
L99      203   S     (L32 OR L33 OR L34 OR L35 OR L36) AND L97
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FILE 'HCAPLUS' ENTERED AT 08:01:31 ON 27 SEP 2005
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L100      9280   S    (L37 OR L38 OR L39 OR L40 OR L41 OR L42 OR L43 OR L44 OR L45
OR L46 OR L47 OR L48 OR L49 OR L50 OR L51 OR L52 OR L53 OR L54 OR L55 OR L56 OR L57
OR L58 OR L59) AND L97
L101      215    S    (L61 OR L62 OR L63 OR L64 OR L65 OR L66 OR L67 OR L68 OR L69
OR L70 OR L71 OR L72 OR L73 OR L74 OR L75 OR L76 OR L77 OR L78 OR L79) AND L97
L102       4     S    (L82 OR L83 OR L84 OR L85 OR L86 OR L87 OR
                     L88 OR L89 OR L90 OR L91 OR L92) AND L97
L103      83406  S    ?POLYMER?(6A)?SURFACE?
L104      251    S    (L98 OR L99 OR L100 OR L101 OR L102) AND L103
L105       50    S    L74 OR L96
L106       49    S    (L80 OR L81) OR (L85 OR L86 OR L87 OR L88) R L89 OR L90 OR
L102
L107       25    S    L106 NOT L105
L108       12    S    L103 AND L107
L109       62    S    L105 OR L108
L110      262    S    (L104 OR L107) NOT L109
L111       4     S    L110 AND CONDUCT#######(7A)DIELEC?
L112      258    S    L110 NOT L111
L113      .56    S    L112 AND CONDUCT?/TI
L114       17    S    L112 AND INSULAT?/TI
L115       5     S    L112 AND DIELEC?/TI
L116       94    S    L112 AND PATTERN?/TI
L117       1     S    (L113 OR L114 OR L115 OR L116) AND (H OR H2 OR HYDROGEN? OR
PROTON? OR DEUTER? OR TRITI? OR BEAM? OR IRRADIAT? OR RADIAT? OR BOMBARD?)/TI
L118      13050  S    CONDUCT?/TI AND POLYMER?/TI
L119      641    S    L118 AND (H OR H2 OR HYDROGEN? OR PROTON? OR DEUTER? OR
TRITI? OR BEAM? OR IRRADIAT? OR RADIAT? OR BOMBARD?)/TI
L120       56    S    L119 AND (DIELEC? OR INSULAT?)
L121       67    S    L111 OR L109 OR L117
L122       52    S    L120 NOT L121
L123       3     S    L122 AND (L23 OR L24 OR L25)
L124       0     S    L122 AND L32
```

FILE WPIX JAPIO INSPEC JICST-EPLUS NTIS ENTERED AT 08:42:11 ON 27 SEP 2005
```
L125      16229  S    CONDUCT?/TI AND POLYMER?/TI
L126      663    S    L125 AND (H OR H2 OR HYDROGEN? OR PROTON?
                     OR DEUTER? OR TRITI?)/TI
L127      1260   S    L125 AND (INSULAT? OR DIELEC?)/TI
L128       7     S    L126 AND L127
L129       3     S    (L126 OR L127) AND (AMD OR ADVANCED MICRO?)/PA,CS
L130       1     S    (L126 OR L127) AND OKORO?/AU,IN
L131       0     S    (L126 OR L127) AND UZOD?/AU,IN
L132       0     S    (L126 OR L127) AND YUDAN?/AU,IN
L133       3     S    (L129 OR L130) NOT L128
```